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OCT 15 1998

GROUP 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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1.2.  
12-8-98  
PATENT

Adam T. Lee, et al.	)	Attorney Docket No. KOCH.56145
	)	
Serial No. 08/811,434	)	Examiner: Bushey, C.
	)	
Filed: March 3, 1997	)	Art Unit: 1724
	)	
DOWNCOMER FOR CHEMICAL PROCESS	)	
TOWER	)	

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST  
(REVOCATION OF PRIOR POWER)**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

**Revocation of Prior Power of Attorney**

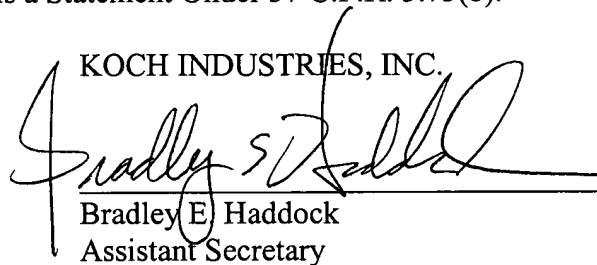
As assignee of record of the entire interest of the above-identified application, all powers of attorney previously given are hereby revoked.

**New Power of Attorney**

Assignee hereby appoints the following attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and to file and prosecute any corresponding foreign applications, including any international applications under the Patent Cooperation Treaty or the European Patent Convention: Michael B. Hurd, Reg. No. 32,241; Carter H. Kokjer, Reg. No. 16,883; William B. Kircher, Reg. No. 22,481; James H. Marsh, Jr., Reg. No. 24,533; Joseph B. Bowman, Reg. No. 25,807; J. David Wharton, Reg. No. 25,717; Richard R. Johnson, Reg. No. 27,452; Joan Optican Herman, Reg. No. 31,968; John A. Weresh, Reg. No. 32,332; Devon A. Rolf, Reg. No. 35,337; Michael J. Gross, Reg. No. 35,528; Daniel W. Shinn, Reg.

No. 40,810; and B. Trent Webb, Reg. No. 40,865, telephone number (816) 474-6550. Address all correspondence to: Michael B. Hurd, SHOOK, HARDY & BACON L.L.P., One Kansas City Place, 1200 Main Street, Kansas City, Missouri 64105-2118.

Attached to this power is a Statement Under 37 C.F.R. 3.73(b).

KOCH INDUSTRIES, INC.  
  
Bradley E. Haddock  
Assistant Secretary

Practitioner's Docket No. KOCH:56145

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Adam T. Lee et al.

Application No.: 08 / 811,434      Group No.: 1724

Filed: March 3, 1997

For: DOWNCOMER FOR CHEMICAL      Examiner: Bushey, C.  
PROCESS TOWER

Patent\*: **RECEIVED** Issue Date: \_\_\_\_\_

\_\_\_\_\_ **OCT 15 1998** Issue Date: \_\_\_\_\_

Reexamination No.: \_\_\_\_\_ **GROUP 1700** Issue Date: \_\_\_\_\_

Reissue:

\* NOTE: Insert name(s) of inventor(s) and title for patent.

Assistant Commissioner for Patents

Washington, D.C. 20231

**STATEMENT UNDER 37 C.F.R. § 3.73(b)—  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION**

**CERTIFICATION UNDER 37 C.F.R. §§ 1.8(a) and 1.10\***

*(When using Express Mail, the Express Mail label number is mandatory;  
Express Mail certification is optional.)*

I hereby certify that, on the date shown below, this correspondence is being:

**MAILING**

☐ deposited with the United States Postal Service in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

**37 C.F.R. § 1.8(a)**

☐ with sufficient postage as first class mail.

**37 C.F.R. § 1.10\***

☐ as "Express Mail: Post Office to Addressee"  
Mailing Label No. \_\_\_\_\_ **(mandatory)**

**TRANSMISSION**

☐ transmitted by facsimile to the Patent and Trademark Office.

\_\_\_\_\_  
**Signature**

Date: \_\_\_\_\_

\_\_\_\_\_  
*(type or print name of person certifying)*

**\*WARNING:** Each paper or fee filed by Express Mail **must** have the number of the "Express Mail" mailing label placed thereon prior to mailing. 37 C.F.R. § 1.10(b).

"Since the filing of correspondence under § 1.10 without the Express Mail mailing label thereon is an oversight that can be avoided by the exercise of reasonable care, requests for waiver of this requirement will **not** be granted on petition." Notice of Oct. 24, 1996, 60 Fed. Reg. 56,439, at 56,442.

NOTE: 37 CFR 3.73(b) states: "When an assignee seeks to take action in a matter before the Office with respect to a patent application, . . . , patent, registration, or reexamination proceeding, the assignee must establish its ownership of the property to the satisfaction of the Commissioner. Ownership is established by submitting to the Office, in the Office file related to the matter in which action is sought to be taken, documentary evidence of a chain of title from the original owner to the assignee (e.g., copy of an executed assignment submitted for recording) or by specifying (e.g., reel and frame number) where such evidence is recorded in the Office. The submission establishing ownership must be signed by a party authorized to act on behalf of the assignee. Documents submitted to establish ownership may be required to be recorded as a condition to permitting the assignee to take action in a matter pending before the Office."

NOTE: "Section 3.73(b) is amended to remove the sentence requiring an assignee to specifically state that the evidentiary documents have been reviewed and to certify that title is in the assignee seeking to take action. The sentence is deemed to be unnecessary in view of the amendment to §§ 1.4(d) and 10.18." Notice of Oct. 10, 1997, 62 Fed. Reg. 53,131, at 53,174.

1. The assignee(s) of the entire right, title and interest hereby seek(s) to take action in the PTO in this matter.

### IDENTIFICATION OF ASSIGNEE

2. Koch Industries, Inc.

Name of assignee

Corporation

Type of assignee, e.g., corporation, partnership, university, government agency, etc.

### PERSON AUTHORIZED TO SIGN

3. Bradley E. Haddock

(type name of person authorized to sign on behalf of assignee)

Assistant Secretary

Title of person authorized to sign

NOTE: The Notice of April 30, 1993 (1150 O.G. 62-64) points out:

"The statement under 37 CFR 3.73(b) may be signed on behalf of the assignee in the following two manners if the assignee is an organization (e.g., corporation, partnership, university, government agency, etc.).

"(1) The statement may be signed by a person in the organization having apparent authority to sign on behalf of the organization. An officer (president, vice-president, secretary, or treasurer) is presumed to have authority to sign on behalf of the organization. The signature of the chairman of the board of directors is acceptable, but not the signature of an individual director. A person having a title (manager, director, administrator, general counsel) that does not clearly set forth that person as an officer of the assignee is not presumed to be an officer of the assignee or to have authority to sign the statement on behalf of the assignee. A power of attorney from the inventors in an organization to a practitioner to prosecute a patent application does not make the practitioner an official of an assignee or empower the practitioner to sign the statement on behalf of the assignee.

"(2) The statement may be signed by any person, if the statement includes an averment that the person is empowered to sign the statement on behalf of the assignee and, if not signed by a registered practitioner, the statement must be in oath or declaration form. Where a statement does not include such an averment, and the person signing does not hold a position in the organization that would give rise to a presumption that the person is empowered to sign the statement on behalf of the assignee, evidence of the person's authority to sign will be required."

[Author's Note: The requirement for an oath or declaration for this statement by a person not a registered practitioner was rescinded by the rules effective December 1, 1997.]

(complete the following, if applicable)

☒ I, the person signing below, state that I am empowered to sign this statement on behalf of the assignee.

### BASIS OF ASSIGNEE'S INTEREST

Ownership by the assignee is established as follows:

A.

1. ☐ An assignment from the inventor(s) of the matter identified above, which was recorded in the PTO at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_.
2. ☐ An assignment (document) separately being submitted for recordal herewith.

### AND/OR

- B. ☒ A chain of title from the inventor(s) to the current assignee as shown below:

1. From: Leon Fan  
Name of inventor(s)

To: Koch Industries, Inc.

Recorded in PTO: Reel  
8887, Frame 0038

2. From: \_\_\_\_\_  
Name of inventor(s) or assignee

To: \_\_\_\_\_

Recorded in PTO: Reel  
\_\_\_\_\_, Frame \_\_\_\_\_

3. From: \_\_\_\_\_  
Name of inventor(s) or assignee

To: \_\_\_\_\_

Recorded in PTO: Reel  
\_\_\_\_\_, Frame \_\_\_\_\_

*(check item below, and add details, if applicable)*

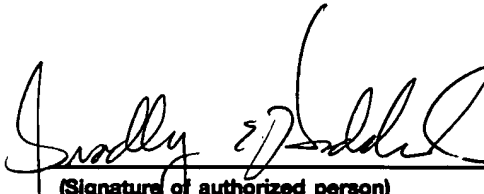
- ☐ Additional documents in the chain of title are listed in the attached Supplemental Sheet.

### COPIES OF DOCUMENTS IN CHAIN OF TITLE

*(complete this item, if copies are being sent)*

- ☒ Copies of the assignment(s) or other document(s) in the chain of title are attached as follows:

<input type="checkbox"/> A	<input type="checkbox"/> 1	<input type="checkbox"/> 2	
<input checked="" type="checkbox"/> B	<input checked="" type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3

  
\_\_\_\_\_  
(Signature of authorized person)  
Bradley E. Haddock  
\_\_\_\_\_  
(type or print name of authorized person)  
Assistant Secretary  
\_\_\_\_\_  
Title of authorized person

Reg. No.:

\_\_\_\_\_  
SIGNATURE OF PRACTITIONER

Tel. No.: (    )

\_\_\_\_\_  
(type or print name of practitioner)

Customer No.:

\_\_\_\_\_  
P.O. Address  
\_\_\_\_\_  
\_\_\_\_\_



5416-  
MAR 10 1998  
UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

FEBRUARY 23, 1998

JENKENS & GILCHRIST, P.C.  
STANLEY R. MOORE  
1445 ROSS AVENUE  
SUITE 3200  
DALLAS, TX 75202-2799

PTA'S  
RECEIVED

OCT 15 1998

GROUP 1700



\*100608836A\*

2777-210

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/09/1997

REEL/FRAME: 3887/0038  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

FAN, LEON

DOC DATE: 09/04/1996

ASSIGNEE:

KOCH INDUSTRIES, INC.  
4111 EAST 37TH STREET NORTH  
WICHITA, KANSAS 75212

SERIAL NUMBER: 08811434  
PATENT NUMBER:

FILING DATE: 03/03/1997  
ISSUE DATE:

TARA WASHINGTON, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

RECEIVED

OCT 15 1998

GROUP 1700

01-21-1998

Attorney Docket No. 27771-210

FORM PTO-1595  
(Rev. 6-93) Patent and Trademark Office

OMB No. 0651-0011 (exp. 4/94)



IT

U.S. DEPARTMENT OF COMMERCE

100608836

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

John Fan

Additional name(s) of conveying party(ies)

attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 9/4/96

2. Name and address of receiving party(ies):

KOCH INDUSTRIES, INC.

Internal Address: 4111 East 37th Street North, Wichita, Kansas  
75212Street Address: 4111 East 37th Street North, Wichita, Kansas  
75212Additional name(s) & address(es)  
attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is \_\_\_\_\_:

A. Patent Application No.(s)

08/811,434 filed March 3, 1997

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Stanley R. Moore  
Jenkins & Gilchrist, P.C.  
1445 Ross Avenue, Suite 3200  
Dallas, Texas 75202-2799

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):....

\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

10-0447 (for deficiency only)

DO NOT USE THIS SPACE

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Jeffery E. Bacon, Reg. No. 35,055

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

01/13/1998 JTIPPETT 00000025 08811434

01 FC:581

40.00 OP

IPDAL:145192.1 27771-00210



ASSIGNMENT

WHEREAS, I, LEON FAN, have invented certain new and useful improvements with Adam T. Lee, Kuang Wu, and Larry Burton, in the following:

## DOWNCOMER FOR CHEMICAL PROCESS TOWER

for which I have made application for United States Letters Patent, the said application having been filed on March 3, 1997 as Serial No. 08/811,434.

WHEREAS, KOCH INDUSTRIES, INC., a corporation organized and existing under the laws of the State of Kansas, having its principal place of business at 4111 East 37th Street North, Wichita, Kansas 75212 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said applications and any Letters Patent that may issue thereon;

NOW, THEREFORE, for and in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I do hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives my entire right, title and interest in and to said invention and in and to said applications and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, continuation-in-part and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or

patents resulting therefrom, insofar as my interest is concerned, to the said ASSIGNEE of my entire right, title and interest.

I also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and

I further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

I hereby further agree that I will communicate to said ASSIGNEE, or its successors, assigns and legal representatives, any facts known to me respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and

legal representatives to obtain and enforce proper protection for said invention in all countries.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 5 day of December, 1997.

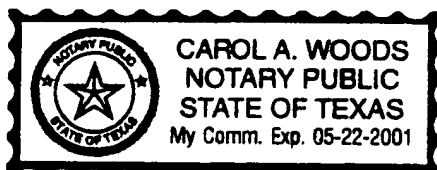
Zhonghang (Leon) Fan.  
LEON FAN  
Address: 2707 Devonshire Drive,  
Carrollton, Texas 75007

State of Texas

County of Dallas

§  
§ ss.:  
§

On this 5th day of December, 1997, before me, a Notary Public in and for the State and County aforesaid, personally appeared LEON FAN, to me well known and known by me to be the person of the above name who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.



Carol A. Woods  
Notary Public

My Commission Expires: May 22, 2001

12/09/97  
jc518 U.S. PTO